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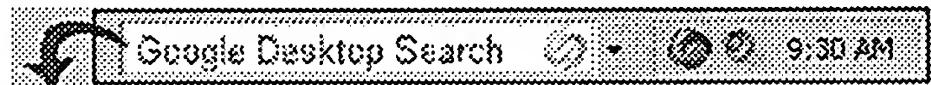
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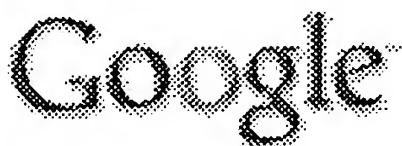
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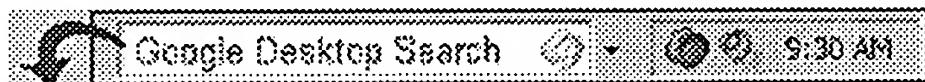
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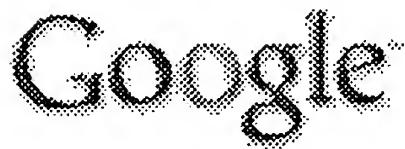
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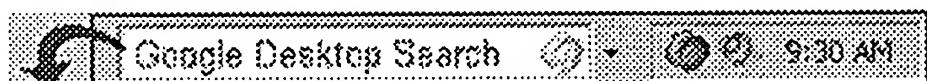
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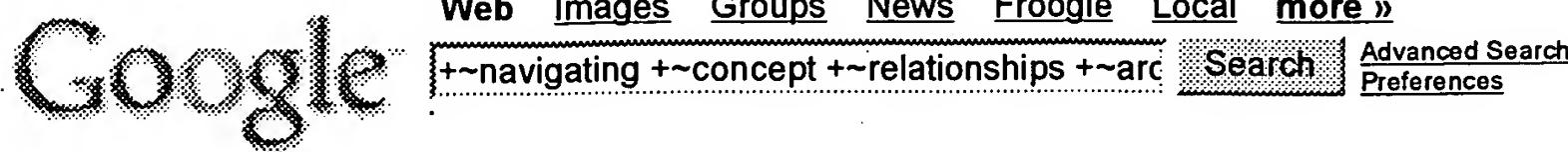
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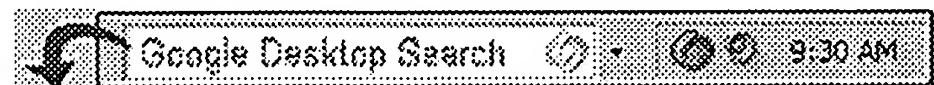
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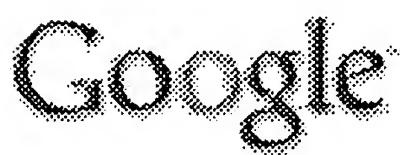
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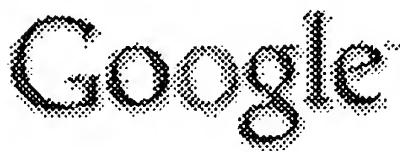
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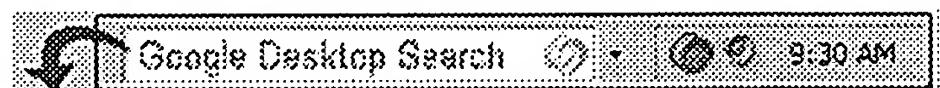
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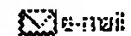
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[1 Streams, structures, spaces, scenarios, societies \(5s\): A formal model for digital libraries](#)

Marcos André Gonçalves, Edward A. Fox, Layne T. Watson, Neill A. Kipp

April 2004 **ACM Transactions on Information Systems (TOIS)**, Volume 22 Issue 2

Full text available: [pdf\(316.85 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



Digital libraries (DLs) are complex information systems and therefore demand formal foundations lest development efforts diverge and interoperability suffers. In this article, we propose the fundamental abstractions of Streams, Structures, Spaces, Scenarios, and Societies (5S), which allow us to define digital libraries rigorously and usefully. Streams are sequences of arbitrary items used to describe both static and dynamic (e.g., video) content. Structures can be viewed as labeled directed gra ...

Keywords: applications., definitions, foundations, taxonomy



[2 Contexts—a partitioning concept for hypertext](#)

Norman M. Delisle, Mayer D. Schwartz

April 1987 **ACM Transactions on Information Systems (TOIS)**, Volume 5 Issue 2

Full text available: [pdf\(1.49 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Hypertext systems provide good information management support for a wide variety of documentation efforts. These efforts range from developing software to writing a book. However, existing hypertext systems provide poor support for collaboration among teams of authors. This paper starts by briefly describing properties of several existing hypertext systems. Then several models for forming partitions in a hypertext database are examined and contexts, a partitioning scheme that supports multi ...



[3 Accepted Posters: Sticky notes for the semantic web](#)

David R. Karger, Boris Katz, Jimmy Lin, Dennis Quan

January 2003 **Proceedings of the 8th international conference on Intelligent user interfaces**

Full text available: [pdf\(240.05 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Computer-based annotation is increasing in popularity as a mechanism for revising documents and sharing comments over the Internet. One reason behind this surge is that viewpoints, summaries, and notes written by others are often helpful to readers. In particular, these types of annotations can help users locate or recall relevant documents. We believe that this model can be applied to the problem of retrieval on the Semantic Web. In this paper, we propose a generalized annotation environment th ...

Keywords: RDF, annotation, natural language, question answering, semantic web, user interface

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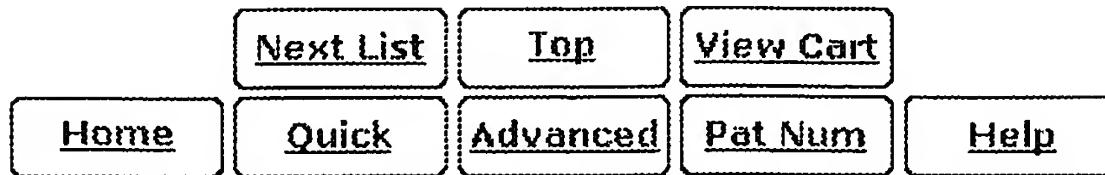
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navigating and concept and relationships and matchii

PAT. NO.	Title
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- 1 [6,909,708](#) **System, method and article of manufacture for a communication system architecture including video conferencing**
- 2 [6,850,252](#) **Intelligent electronic appliance system and method**
- 3 [6,845,370](#) **Advanced information gathering for targeted activities**
- 4 [6,842,906](#) **System and method for a refreshable proxy pool in a communication services patterns environment**
- 5 [6,840,442](#) **System and method for inputting, retrieving organizing and analyzing data**
- 6 [6,754,181](#) **System and method for a directory service supporting a hybrid communication system architecture**
- 7 [6,742,015](#) **Base services patterns in a netcentric environment**
- 8 [6,731,625](#) **System, method and article of manufacture for a call back architecture in a hybrid network with support for internet telephony**
- 9 [6,727,927](#) **System, method and article of manufacture for a user interface for a knowledge management tool**
- 10 [6,721,726](#) **Knowledge management tool**
- 11 [6,715,145](#) **Processing pipeline in a base services pattern environment**
- 12 [6,671,693](#) **System for effectively collecting and disseminating data**
- 13 [6,671,692](#) **System for facilitating the navigation of data**
- 14 [6,664,980](#) **Visual navigation utilizing web technology**
- 15 [6,654,029](#) **Data-base independent, scalable, object-oriented architecture and API for managing digital multimedia assets**

- 16 [6,640,249](#) **P**resentation services patterns in a netcentric environment
- 17 [6,640,244](#) **P**Request batcher in a transaction services patterns environment
- 18 [6,640,238](#) **P**Activity component in a presentation services patterns environment
- 19 [6,640,145](#) **P**Media recording device with packet data interface
- 20 [6,636,242](#) **P**View configurer in a presentation services patterns environment
- 21 [6,615,253](#) **P**Efficient server side data retrieval for execution of client side applications
- 22 [6,615,204](#) **P**Method and system for hybrid mapping of objects into a relational data base to provide high-speed performance and update flexibility
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- 31 [6,571,235](#) **P**System for providing an interface for accessing data in a discussion database
- 32 [6,564,209](#) **P**Knowledge management tool for providing abstracts of information
- 33 [6,550,057](#) **P**Piecemeal retrieval in an information services patterns environment
- 34 [6,549,949](#) **P**Fixed format stream in a communication services patterns environment
- 35 [6,539,396](#) **P**Multi-object identifier system and method for information service pattern environment
- 36 [6,529,948](#) **P**Multi-object fetch component
- 37 [6,529,909](#) **P**Method for translating an object attribute converter in an information services patterns environment
- 38 [6,502,213](#) **P**System, method, and article of manufacture for a polymorphic exception handler in environment services patterns
- 39 [6,496,850](#) **P**Clean-up of orphaned server contexts
- 40 [6,477,665](#) **P**System, method, and article of manufacture for environment services patterns in a netcentric environment
- 41 [6,477,580](#) **P**Self-described stream in a communication services patterns environment
- 42 [6,446,076](#) **P**Voice interactive web-based agent system responsive to a user location for prioritizing and formatting information
- 43 [6,442,748](#) **P**System, method and article of manufacture for a persistent state and persistent object separator in an information services patterns environment
- 44 [6,438,594](#) **P**Delivering service to a client via a locally addressable interface
- 45 [6,434,628](#) **P**Common interface for handling exception interface name with additional prefix and suffix for handling exceptions in environment services patterns
- 46 [6,434,568](#) **P**Information services patterns in a netcentric environment
- 47 [6,400,996](#) **P**Adaptive pattern recognition based control system and method
- 48 [6,339,832](#) **P**Exception response table in environment services patterns
- 49 [6,335,927](#) **P**System and method for providing requested quality of service in a hybrid network
- 50 [6,332,163](#) **P**Method for providing communication services over a computer network system



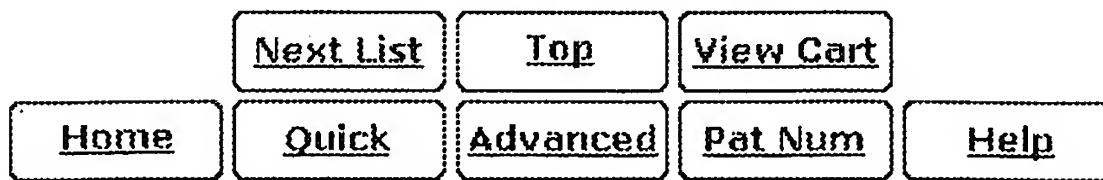
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PAT.	Title
NO.	

- 1 [6,922,699](#) **T System and method for quantitatively representing data objects in vector space**
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- 3 [6,909,708](#) **T System, method and article of manufacture for a communication system architecture including video conferencing**
- 4 [6,900,807](#) **T System for generating charts in a knowledge management tool**
- 5 [6,892,196](#) **T System, method and article of manufacture for a user programmable diary interface link**
- 6 [6,874,123](#) **T Three-dimensional model to facilitate user comprehension and management of information**
- 7 [6,868,525](#) **T Computer graphic display visualization system and method**
- 8 [6,850,252](#) **T Intelligent electronic appliance system and method**
- 9 [6,845,370](#) **T Advanced information gathering for targeted activities**
- 10 [6,842,906](#) **T System and method for a refreshable proxy pool in a communication services patterns environment**
- 11 [6,840,442](#) **T System and method for inputting, retrieving organizing and analyzing data**
- 12 [6,772,216](#) **T Interaction protocol for managing cross company processes among network-distributed applications**
- 13 [6,772,148](#) **T Classification of information sources using graphic structures**
- 14 [6,772,139](#) **T Method and apparatus for facilitating use of hypertext links on the world wide web**
- 15 [6,754,181](#) **T System and method for a directory service supporting a hybrid communication system architecture**
- 16 [6,742,015](#) **T Base services patterns in a netcentric environment**

- 17 [6,731,625](#) **T** System, method and article of manufacture for a call back architecture in a hybrid network with support for internet telephony
- 18 [6,728,752](#) **T** System and method for information browsing using multi-modal features
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- 20 [6,721,726](#) **T** Knowledge management tool
- 21 [6,715,145](#) **T** Processing pipeline in a base services pattern environment
- 22 [6,708,184](#) **T** Method and apparatus for producing and accessing composite data using a device having a distributed communication controller interface
- 23 [6,708,172](#) **T** Community-based shared multiple browser environment
- 24 [RE38,432](#) **T** Computer-aided group-learning methods and systems
- 25 [6,687,876](#) **T** Method and system for maintaining freeform ink annotations on changing views
- 26 [6,681,223](#) **T** System and method of performing profile matching with a structured document
- 27 [6,671,693](#) **T** System for effectively collecting and disseminating data
- 28 [6,671,692](#) **T** System for facilitating the navigation of data
- 29 [6,664,980](#) **T** Visual navigation utilizing web technology
- 30 [6,654,029](#) **T** Data-base independent, scalable, object-oriented architecture and API for managing digital multimedia assets
- 31 [6,647,381](#) **T** Method of defining and utilizing logical domains to partition and to reorganize physical domains
- 32 [6,640,249](#) **T** Presentation services patterns in a netcentric environment
- 33 [6,640,244](#) **T** Request batcher in a transaction services patterns environment
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- 40 [6,607,136](#) **T** Physical presence digital authentication system
- 41 [6,606,660](#) **T** Stream-based communication in a communication services patterns environment
- 42 [6,601,234](#) **T** Attribute dictionary in a business logic services environment
- 43 [6,601,192](#) **T** Assertion component in environment services patterns
- 44 [6,598,054](#) **T** System and method for clustering data objects in a collection
- 45 [6,598,043](#) **T** Classification of information sources using graph structures
- 46 [6,581,039](#) **T** Report searching in a merger and acquisition environment
- 47 [6,578,068](#) **T** Load balancer in environment services patterns
- 48 [6,571,285](#) **T** Providing an integrated service assurance environment for a network
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- 50 [6,571,235](#) **T** System for providing an interface for accessing data in a discussion database





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